G-13 OKOUR

AUTHORS:

Glushkova, V. P., and Kocheshkov, K. A., Corresponding Member All USSR. 20-2-19/50

TITLE: A New Method of Synthesis for Or, anothellium Compounds of the ArTIX, Class (Novyy metod sinteza talliyor anisheskikh

soyedineniy klassa ArTIX,).

FERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 2, pp. 235-225 (USSR)

ABSTRACT: The absence of reliable production methods represents a considerable gap in the chemistry of the above-mentioned

compounds and therefore the $ArTIX_2$ -class is not easily accessible. The Challenger method (over organoboren compounds) consists of several stages and besides leads to secondary processes. Thus so a authors described ArTIX (X=haloid) as colored substances, when produced according to Challenger, whereas in reality they are colorless (see below). In this paper the authors for the first time described the product on method of ArTIX2 (X=rest of an organic soid) with the use

of or anic acids of trivalent thallium in a reaction with organomercury compounds. The reaction which rapidly proceeds

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A New method of Synthesis for Organothallium Compensas of 20-2-19/50

at room temperature leads with good yields to excellently crystallizing compounds of the ArTIX_-class. They are stable, do not tend toward secondary transformations and are color-less. When the salts of organic acids are used, the reaction can at choice (according to the molar relations selected) be made to take two directions (equations land 1). When starting from the corresponding or anomerousy compounds, the organothallium compounds ArTI(UOCR) or Ar FIOOCR can also be

attained with substituents in the nucleus. The compounds obtained by the authors are identical with those that are synthesized according to their own method of a direct thallination. Phenylthallium-isobutyrate can thus be produced from benzene and thallium-triisobutyrate (90 % yield). The reaction "inverse to disproportionation" also leads to corlor-less organothallium compounds with a quantitative yield. The not lead to the rest of an organic acid by haloridad here not lead to the formation of color either. Thus the color described in publications is the result of admixtures. An experimental part with the usual data follows.

Card 2/3

A New Method of Synthesis for Or anothallium Compounds of the ArTlX,-Class 20-2-19/50

There are 6 references, 4 of which are Slavic

ASSOCIATION: Physico-chemical Institute imeni L. Ya. Karpov Fiziko-Khimicheskiy institut im. L. Ya. Karpova).

SUBMITTED: May 10, 1957

AVAILABLE: Library of Congress

Card 3/3

CIA-RDP86-00513R000515430002-1" APPROVED FOR RELEASE: 09/24/2001

201/70-3-3-5/24 AUTHORS: Zvenkova, Z.V. and Glushkeva, V.P.

TITLE:

The Crystal Structure of p-bromphenyloomic Acid

(Kristallicheskoye stroyeniye p-bromfenilbornoy

kisloty)

PERIODICAL: Kristallografiya, 1958, Vol 3, Nr 5, pp 559-563 (USSR)

ABSTRACT: 40 crystals of p-BrC $_{6}$ H $_{4}$ E(OH) $_{2}$ from various solvents

were examined by X-ray diffraction. There appeared to be no piezoelectric effect. The cell was found to be hexagonal with a = 28.75 and c = 9.74 A and space group $C6/mcc = C_{6b}^2$ with Z = 36 and $d_{calc.} = 1.72$; dobs. = 1.67 g/cm². There are 576 arous in the unit cell. The Patterson functions $F^2(hk0)$ and $F^2(hk1)$ were constructed which showed only peaks corresponding to Br-Br vectors. The Br atoms were found to lie in mirror planes with $z \neq 0$ and z = 1/2. It was assumed that the atoms Br, C_1 , C_2 and B lie triply

in the positions 12(e). The atoms c_2, c_5, c_6

and H α mupy the general positions $2^{4}(m)$. Card1/5

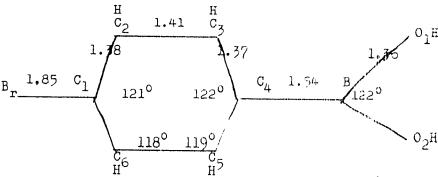
The Crystal Structure of p-bromphenylboric Acid

co-ordinates of the three independent Br atoms were found from F^2 series. Weissenberg photographs were taken for 7 layers about the c axis and these were connected by a -axis photographs. In all, 588 independent reflections were collected. The sections at xyO and x, y, 0.123 were calculated. The heights of the three Br peaks were 85, 91 and 82 and of the C atoms were 16-20. The Br peaks were thought to be slightly lowered by their antisymmetric arrangement. The final co-ordinates are entered in Table 2, p 560. When a temperature factor of B=4 was applied, a final relating the plane of the molecule to the OlO plane are $\emptyset_1 = 41^\circ$, $\emptyset_2 = 52^\circ$ and $\emptyset_3 = 50^\circ$. The bond lengths and angles are:

Card 2/5

SOY/70-3-5-5/24

The Crystal Structure of p-bromphenylboric Acid



(Fig 3, p 561).

The Br-C bond length is 1.85 A comparing with the values of 1.85 and 1.87 reported in other compounds. The maximum value of the deviation of individual molecular dimensions from the mean over the three molecules is 0.03 A. The C_1-C_2 (and C_1-C_6) bonds are shortened to 1.38 and the C_3-C_4 (and C_4-C_5) to 1.37. The C_2-C_3 (C_5-C_6) bonds are

Card3/5

SUV/70-3-5-5/24

The Crystal Structure of p-bromphenylboric Acid

lengthened to 1.41. Similar observations have been male in benzoic acid. In captax (2-mercaptobenzthiazol) deformation was also measured. These results show the changes in the interatomic distances due to the differing participation of the s and p electrons in the bonds. An estimate of the intermolecular radius of C can be obtained (1.67 A) which is near to the values in graphite (1.675) and in captax (1.685). The introduction of the acceptor group B(OH)₂ decreases the radius from the value of 1.80 found in benzene to this value. The benzene nucleus has become finer and the pi-electron cloud is decreased. Acknowledgments are made to Z.P. Linina, A.N. Khvatkina and A.N. Abramova.

Card 4/5

The Crystal Structure of p-bromphenylboric Acid $\frac{SOV/70-3-5-5/24}{Acid}$

There are 6 figures, 2 tables and 10 references, 6 of which are Soviet, 3 English and 1 Scandinavian

ASSOCIATION: Fiziko-khimicheskiy institut im. L.Ya. Karpova (Physico-chemical Institute im. L. Ya. Karpov)

SUBMITTED:

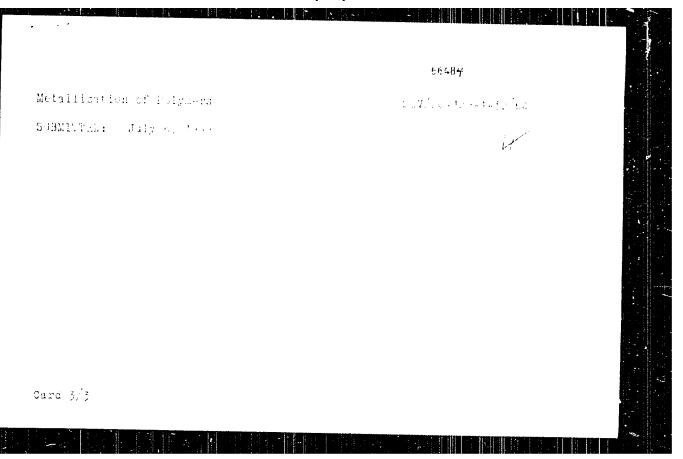
July 1, 1957

Card 5/5

GLICHKOVA, V. F.: Michael Chan Set (Afec) == "Innochtion for an experimentation of companies and the companies". Measur, 1000. In mp (Inch of the appealmental for an expense of the constant Set (EG)), 100 anyton (EE, p. 12, 123, 101)

66484 5. 3230 267 36-13-1-156/62 AJTHURS: Glankkova, V. . . Delita casa, . . . D., Komernerv, K. A. . Borrespinsing Member, At 1888 TITLL: Metallington of his point PEKINI DAN : Claring As we in hear district the Tolker, the term The introduction of setails stops into the ero (collect ABUTHUT.: "metallinesi o", may clear a vertain role in the inviatigation of the structure of obligation the change of their properties. In the project important the dathors a period a few react one involving enough and thellion. The this present of the terms are the climby the research Thallian - tribs but, rate (set in the algorithm of a contribution of polymers as sufficient. However, polymers are doner supervises. In solutions they can be a talliand by only a fix solvents, which defined be easily a falling of them. Ive. has react otherwise with the margillising a set. Investoration were corried est of: 1) In outrocettin of the lie out poly- --vinylthic-phene in bonnene; a) introcetti noof He into the eine chapound in bonners; and at introduction of Habitatory and the state of the sta Card 1 5 william at the was about as the letter later of in the correction.

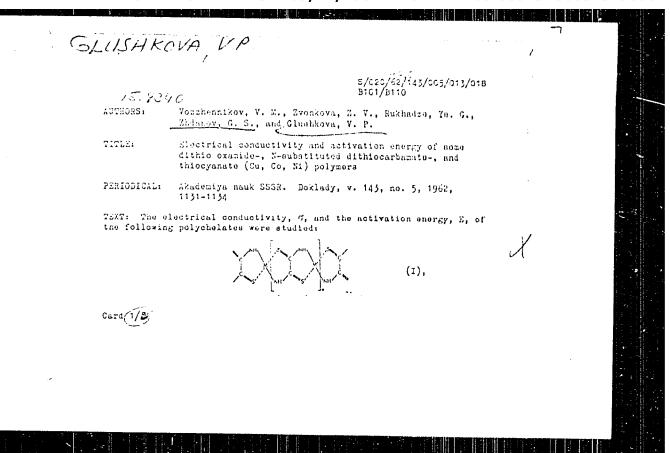
66484 Metalization of a lymero 16 1 16-11 1-1-36 (82) meastion (1) is consisting within 45 minutes (1). Exacting (2) needs deveral ningres. The two peaching products are gallering powders inable, and business and the powders in the contract of the powders. how Duranter (set of optains, hip even of the theoretical A CAR A CONTRACT CLOSE OF A CARD A CARD AND A CONTRACT OF A CARD AND A CARD A Although a percolar and a satisfact the state. The states of a state of a small partity of isosotypes accompanies. The state of states are states and the states of isosotypes accompanies. The states are states of the states are states of the states of polyvirality in the states. The states of th ler termination national The electric contents by termination was Bot proved by the Lathers Provedy, it is to easy position there are associated as a still of a second the polystyrene markedure by means of the effect of about a 12 and 2 Taley 7 is mentioned in the text. There are a first reversely ACCIDIATE NEWSTRONG VET STORY TO THE FOREST STORY ACCIDING TO THE STORY ACCIDING THE STOR Kar cva Somentifie Floring the the last the Latitude in a Caru d/3 L PI Hir v)



ZVONKOVA, Z.V.; ASTAKHOVA, L.I.; GLUSHKOVA, V.P.

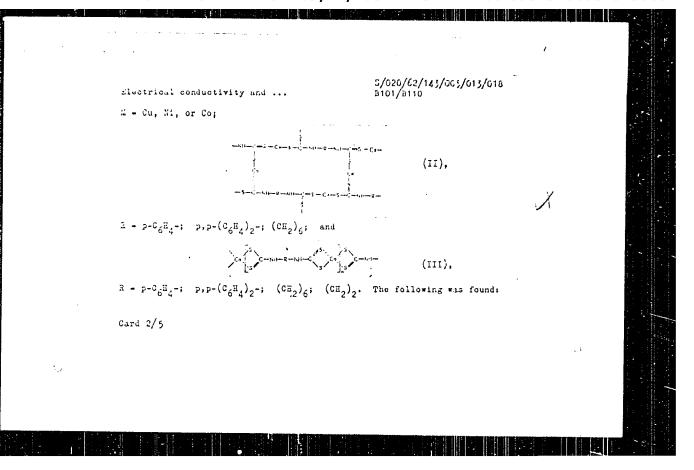
Atomic sturcture of totramethylthicurca. Kristallegrafila 5 no.4: 547-552 Jl-A; '60. (NIRA 13:9)

1. Fiziko-khimicheskiy institut im. L.Ya. Karpova. (Urea)



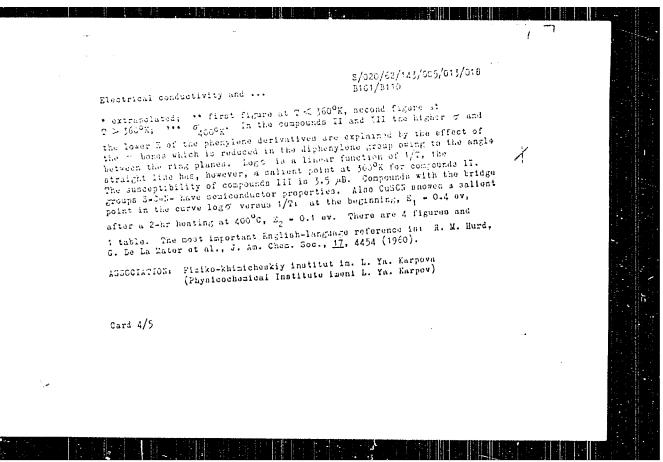
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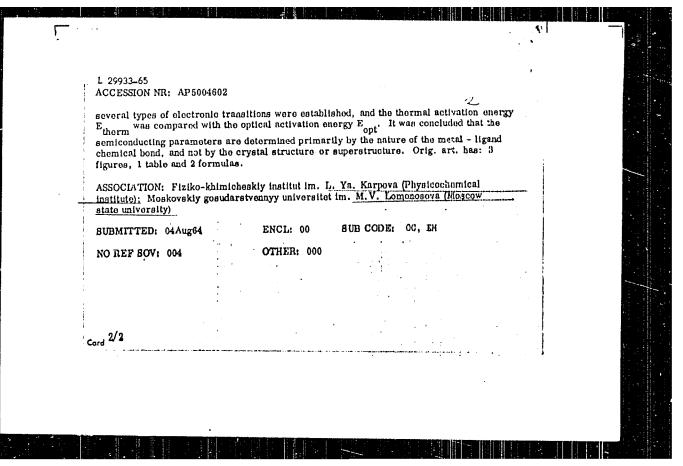
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I ;	Cu	290-350	4 • 10 -6	1.104	0.6		
**	Ni	290-500	2-10-11	7.10-1	0.6		
n :	Co	400-500	7.10-16	1-10-3	0.7		
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	p,p-(c ₆ H ₄) ₂ -	290~450	5-10 ⁻¹³	1-10-3	0.36; 0.6	الر اه	
	(on ₂) ₆	310-360	1-10-13	2 • 10 -1	0.72		
		370-460	9.10-12	1.10-3	0.58		
	. 0 4	360-460	3.5.10-12	3-10-3	0.62		
	(cH ₂) ₆	400-460	1.7.10-12	• 5·10 ⁻³	0.76		
	(cH ₂) ₂	400-460		1-10-3	0.74		
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ard 3/5							

APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515430002-1"



L 29933-65 EPF(c)/EPA(s)-2/EWP(j)/EWT(m)/EWP(b)/EWP(t) Pc-4/Pr-4/Pt-10/
Pad IJP(c)/RPL RM/JD/HM ACCESSION NR: AP5004602 S/0020/65/160/002/0405/0403
AUTHOR: AP5004602 S/0020/65/160/002/0405/0403
AUTHOR: Terent'yev, A.P. (Corresponding member All SSSR): Vozzhennikor, V. H.;
Kolninov, O. V.; Woorkovz, Z. V.; Rukhadze, Yo. G.; Gluchkovza, V. P.; Reggikla,
V. V.
TITLE: Semiconducting and optical properties of copper, nickel, zinc, and cadmium dithiocarbamates
SOURCE: AN SSSR, Doklady, v. 160, no. 2, 1965, 405-408
TOPIC TAGS: copper dithiocarbamate, nickel dithiocarbamate, zinc dithiocarbamate optical property, organic semiconducting property, dithiocarbamate optical property, organic semiconductor, chelate electrical property, polychelate conductivity, activation energy
ABSTRACT: This paper is part of a study of a series of chelates and polychelates aimed at determining the dependence of their electrical properties on their atomic structure and nature of their chemical bonds: this in turn is vital in the symbosis of organic semicoaductors? In this work, it was found that the electrical conductivity depends on the concentuation of the metal in the sample more than on the nature of the metal, as indicated by the highly conductive copper compounds. All the chelates and polychelates studied were substances with high electrical resistance. On the basis of their absorption spectra,

Care 1/2

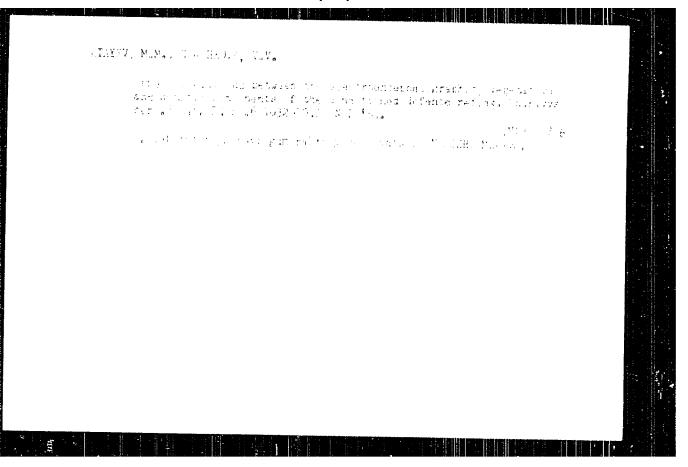


C NR: AP7005108 SOURCE CODE: UR/0079/66/036/009/1690/1693	
GLUSHKOVA, V. P., KOCHESHKOV, K. A.	
'Salts of the Organic Acids of Trivalent Thallium"	:
Noscow, Zhurnal Obshchey Khimii, Vol 36, No 9, 66, pp 1670-1673	
instract: These salts are used as starting substances for the synthesis of organothallium compounds for in exchange reactions with organemercuric compounds. The authors synthesized for the first time the following organic acid salts of rivalent thallium: thallium trisobutyrate, thallium tripropienate, thallium trivalent thallium tribenzoate. The first two compounds were obtained y dissolving thallium trioxide Tl ₂ O ₃ in boiling isobutyric and propionic acids espectively, while thallium tri-n.caprylate and tribenzoate were obtained by espectively, while thallium tri-n.caprylate and tribenzoate were obtained by espectively. All of these salts hydrolyne in air but are quite stable when espectively phosphorus pentoxide. Their melting points are fairly high (119-25 of salts of monovalent thallium. When treated with hydraxiae hydrate, the erresponding acid. (JPRS: 38,970) RG: none OPIC TAGS: thallium compound, organometallic compound, organomercury compound UB CODE: O7 / SURM DATE: OLUMES / OPIC DATE: OR A COMPOUND.	
UB CODE: 07 / SUBM DATE: 01Ju165 / ORIG REF: 002 / OTH REF: 002	_
1 1/1 UDC: 546.683 + 547.13	

FOSTOL, G.S.; CHERGYKH, Ye.F.; KRAVTSOVA, K.K.; GLUSHKOVA, V.S.

Dynamics of rheumatic fever incidence in children in Khabarovsk Territory according to hospital data for five years. Vop.skh. mat. i det. 7 no.12:79 D*62. (NTMA 16:7)

1. Iz klimiki detskikh belezney Khabarovskogo meditsinskogo instituta i Khabarovskogo krayevogo otdela ziravookhraneniya. (CHILDREN:-DISEASES) (GENECOLOGY)



GLUSHKOVA, Ye.K., nauchnyy sotrudnik

Conditioning of young children to cold by baths. Gig. 1 san, 21
no.11:28-36 N '56. (MLTA 10:2)

1. Iz otdela gigiyeny Mauchno-isaledovatel'skogo osdiatricheskogo
instituta. Gig. 1 san.21 no.11:28-36 N '56. (KIRA 10:2)

(TEMPERATURN
conditioning of young child. to cold temperature)

GLUSHKOVA, Ye. K., Candidate Med Sci (diss) -- "The hygienic characteristics of positive films of children and conditions for their use". Moscow, 1959.

12 pp (Acad Pedagogical Sci RSFSR, Sci Res Inst of Physical Training and School Phygiene), 150 copies (KL, No 24, 1959, 149)

GIUSHKOVA, Ye.K.

Gailiren's filtrips and their demonstration from the hygienic point of view. Gig.i san. 25 no.1:41-46 Ja '60. (MIRA 13:5)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F.F. Krismana Ministerstva zdravookhraneniya RSFSR. (AUDIO-VISUAL AIDS)

GLUSHKOVA, Ye.K.

Some hygienic problems in television viewing of children. Gig. i san. no. 10:22-27 0 '60. (MIRA 13:12)

1. Iz .loskovskogo nauchno-issledovatel skogo instituta sanitarii i gigiyeny imeni F.F. Erismana Ministerstva zdravookhraneniya RSFSR. (TELEVISION--HYGIENIC ASPECTS)

GLUSHKOVA, Ye.K.

Some hygienic problems of planning classrooms and the arrangement of furniture. Nauch. inform. Otd. nauch. med. inform. AMN SSSR no.1:52-53 *61 (MIRA 16:11)

1. Institut gigiyeny detey i podrostkov (ispolnyayushchiy obyazannosti direktora - prof. S.M. Grombakh) AMN SSSR, Moskva.

X

BELOSTOTSKAYA, Ye.M.; GLUSHKOVA, Ye.K.; GRCMBAKH, S.M.; SUMHAREN, A.G.; TELESHEV, V.A.; TIMOKHIMA, Ye.A.; PROTOPOFOVA, V.A.

Hygienic problems in the organization of work of students in agriculture. Gig. i san. 26 no.6:52-57 Je *161. (FIMA 15:5)

1. Iz Moskovskogo nauchno-isaledovatel'skogo instituta gigiyeny imeni F.F.Erismana Ministerstva zdravockhraneniya ISFSk i Stavropol'skey krayevoy sanitarno-epidemiologicheskoy stantsii.

(CHILDHEN IN AGRICULTURE---HYGIENIC ASPECTS)

GLUSHKOVA, Ye.K., mladshiy nauchnyy sotrudnik

"The angle of vision" as a supplementary criterion in planning class rooms and the arrangement of furniture. Gig.i san. 26 no.12:34-38 D '61. (MIRA 15:9)

1. Iz Instituta gigiyeny detey i podrostkov AMN SSSR. (SCHOOL HYGIENE)

KOZIK, S.M.; KALININ, Yu.D., professor; AFANAS'YEVA, V.I., kandidat fizikomatematicheskikh nauk; PENKEVICH, M.S., kandidat fiziko-matematicheskikh nauk; GLUSHKOVA, Ye.P., KUZNETSOVA, Z.S.; BRLOUSOVA, M.A.; SOLOVEYCHIK, A.A., tekhnicheskiy redaktor

[Manual on variation in the magnetic field of the U.S.S.R.]

Sprayochnik po peremennomu magnitnomu poliu SSSR. Pod red. V.I.

Afanas'evoi. Leningrad, Gidrometeor.izd-vo, 1954. 265 p. (MLRA 10:7)

Leningrad. Nauchno-issledovatel'skiy institut zemnogo magnetizma.
 Nauchno-issledovatel'skiy institut zemnogo magnetizma (for Kalinin, Afanas'yeva, Belousova)
 Tashkentskaya nauchno-issledovatel'skaya geofizicheskaya observatoriya (for Kozik).
 Glavnaya Geofizicheskaya observatoriya (for Penkevich, Glushkova, Kuznetsova) (Magnetism, Terrestrial)

L 山山30-66 EWT(1)/FCC GW ACC NR: AT6023732 SOT

SOURCE CODE: UR/2831/65/000/014/0104/0116

AUTHOR: Glushkova, Ye. P.

ORG: none

TITLE: Some peculiarities of magnetoionospheric disturbances in the transitional zone

SOURCE: AN SSSR. Mezhduvedomstvennyy geofizicheskiy komitet. V razdel programmy MGG: Ionosfera. Sbornik statey, no. 14, 1965. Ionosfernyye issledovaniya, 104-116

TOPIC TAGS: magnetic storm, ionosphere disturbance, geomagnetic field, aurora, Van Allen belt

ABSTRACT: The author discussed in detail peculiarities of magnetoionospheric disturbances in the transition zone; the upper limits in the Eastern Hemisphere are near 62 N and in the Western Hemisphere near 42 N, and the lower limits in the Eastern and Western Hemispheres are 55 N and 35 N, respectively and are

Card 1/2

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ACC NR: A'T6023732

located near the auroral zone. Observations covered the period extending mainly over the last months of 1958 and most of 1959 because the most complete data on ionospheric observations made with vertical soundings made available to the author covered this period. The article shows that during severe, very strong magnetic storms, De-variations of H and Z components of the geomagnetic field occur in synphases. Phenomena characteristic of the auroral-zone disturbances are observed in the ionosphere. Blackouts are observed only in cases during the positive phase of a storm when a sudden peak in the H component, warns of the approach of the current system to the observation point. Moreover, the negative phase of the storm should be well developed. As the transition zone is located approximately in the latitudes where the outer radiation belt is closest to the earth's surface, it is suggested that there may be connection between certain phenomena observed during magnetoionospheric disturbances and the movement of particles in the outer radiation belt. The author is extremely grateful to the scientific associates of AANII, A. S. Besprozvannoya and A. I. Ol', for valuable suggestions made in course of this work. Orig. art. has; 6 figures. [GC]

SUB CODE: 08, 04, 20/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 009/

Card 2/2

GLUSHKUTA, Ye ?

37-12-4/12

- AUTHOR:

Penkevich, M. S., Glushkova, Ye. P., Kuznetsova, Z. S.

TITLE:

Some Common Regularities in the Daily Variations of the Earth's

Magnetic Field Established by Soviet Polar Observatories

(Nekotoryye obshchiye zakonomernosti sutochnykh variatsiy magnitnogo

polya zemli po dannym Sovetskikh polyarnykh observatoriy)

PERIODICAL:

Trudy Nauchno-issledovatel skogo instituta zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln, 1957, Nr 12 (22).

pp. 73-85 (USSR)

ABSTRACT:

To analyze a very complicated pattern of magnetic variations in polar regions, long-range observations were studied in regard to declination (D), horizontal component (H), vertical component (Z), and the variations of total force (δ F). The study covered both quiet and disturbed days, grouped into clusters of summer, winter and equinoctial observations. For quiet days the pattern of variations was steady, with only the amplitudes varying. This steady

Card 1/3

Some Common Regularities in the Daily Variations (Con't) 37-12-4/12

pattern was, as a rule, sustained even on disturbed days, but some phenomena differed from those observed on quiet days, e.g., it was found that on the days of minimum magnetic activity (quiet days), a twin wave appeared which was not seen on days of maximum magnetic activity. The article examines the relationship between magnetic amplitudes and solar and magnetic activities, as observed in moderate latitudes. This relationship is reduced to the following formula: $A = A_0 + bW$, in which A is the amplitude of magnetic vibrations and W the index of solar activity (equal to the relative number of sun spots). It; was found that W, characterizing mainly the short wave (ultraviolet radiation), has no bearing on corpuscular radiation. The best tool for evaluating objectively magnetic amplitudes on disturbed days is the so-called K index, which is calculated from 3-hour intervals (universal time). It was established that the amplitudes of magnetic values grow with latitude, but start to decrease at a certain distance from the pole. In high latitudes, the shape of the distributive curve was found to be of the parabolic type with the apex lying close to 70° latitude. This dependence on latitude is analyzed for quiet and disturbed days, and for the indices concerned

Card 2/3

3/169/62/000/007/140/149 7/77/3 addoy 3/07

AUTHOR: Grosnkova, ie. P.

TITLE: recliminary reducts of investigating magneto-iono-

Spheric disturbances at Yoyeykovo

Puklodidah: Referativnya sharmal, medikika, no. 7. 1962, 6, abstract 761e6 (V sb. ionosfern. issuesovaniya, no. 6,

n., Ali Jolk, 1301, 40-51)

That: The data of the Voyeykovo magneto-ionospheric observatory (near Leningrad) for the period August 1:56 - December 1959 were used to study the relation of different $E_{\rm g}$ types to the magnetic notivity. Mid-latitudinal $E_{\rm g}$ types are, on the whole, observed on aniat data. The color $E_{\rm g}$ types are

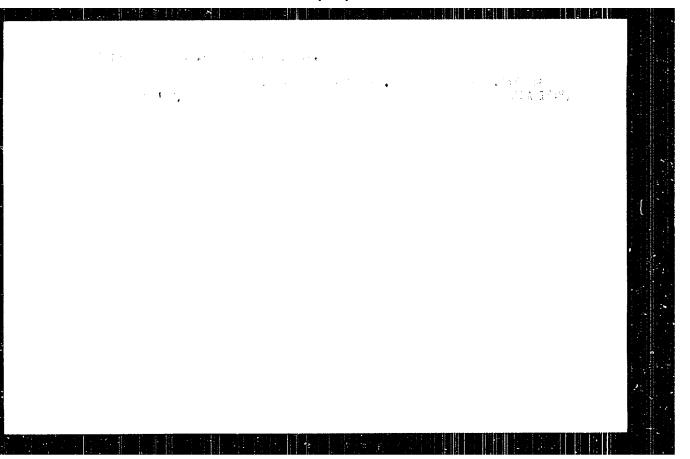
quiet days. The polar rand c(types appear during large and very large magnetic storms. $\underline{\chi}$ Abstracter's note: Complete translation.

Cará 1/1

GLUSHKOVSKIY, A.Ye.

Malignization of one of the foci of multiple chondromatosis. Vest. rent.
i rnd. 30 no.4:72-73 Jl-Ag '64. (MIRA 18:7)

1. Gorodskaya bol'nitsa imeni Semashko, gorod Smela Charkasskoy oblasti.



L 8376-65 EPR Ps-4 'SD/AFVIL/ESD(gs)/RAEM(t) WW/

ACCESSION NR: AR4044028 S/0058/51/000/OLI/A031/A031

SOURCE: Ref. zh. Fizika, Abs. 11A308

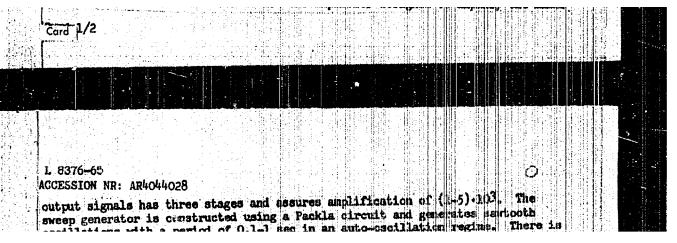
AUTHOR: Glushkovksiy, M. Ye.

TITLE: SSO-1 stroboscopic oscillograph

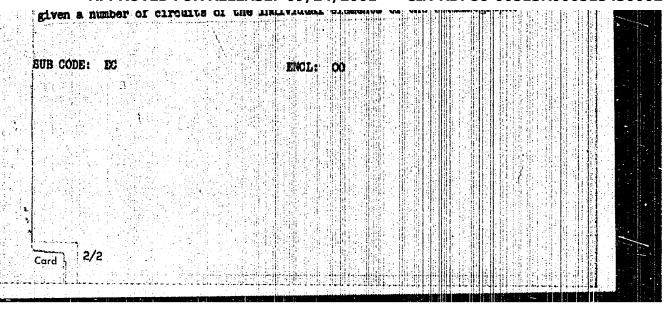
CITED SOURCE: Tr. 5-y, Nauchno-tekhn, konferentsii po yaderzi, radicelaktronike,
1961. M., Gosatomizdat, 1962, 53-65

TOPIC TAGS: oscillograph, stroboscopic oscillograph/SSO-1 stroboscopic oscillograph

TRANSLATION: For oscillography of periodic processes of names condition there is used more and more the stroboscopic method, in which a broad transmission tand is combined with high sensitivity. On the screen of the strotoscopic dscillograph there

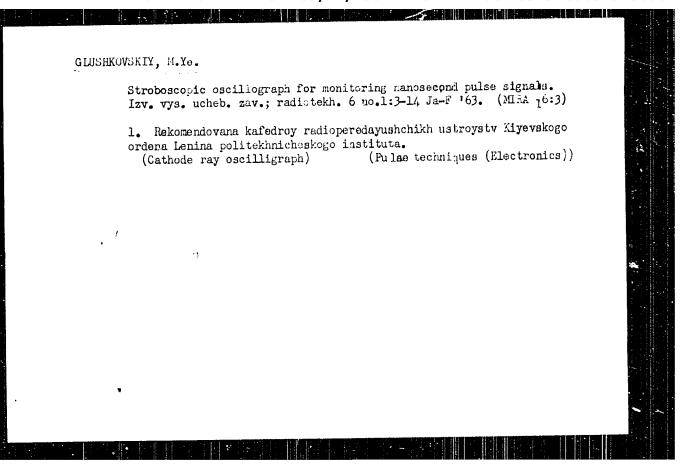


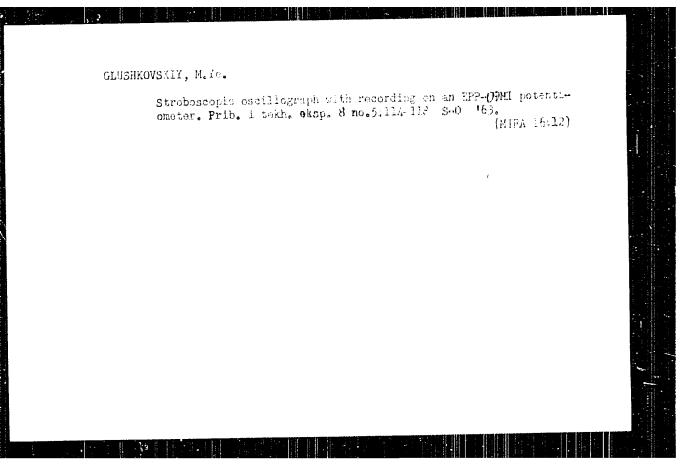
"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515430002-1



PLOTNIKOVA, M.I.; KARDOPOL'ISEVA, O.I.; SALTYKOV, O.G.; UMANEIS, Y.N.; GLUSHKOVSKIY, I.B.

Stratigraphy and lithology of "interstream pebble beds" in the Markha-Tyung interfluve and paleography of the time of their accumulation in connection with the formation of diamond-bearing placer deposits in the middle Markha Basin. Trudy IAFAN AN SSSR Ser. geol. no.9:123-141 163. (MIEA 10:12)





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ACCESSION NR: AP5012179

118/0066/64/000/015/0022/0024

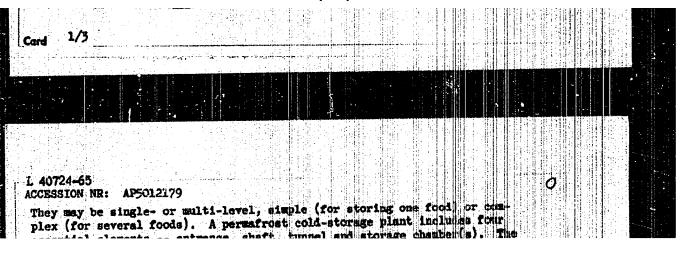
AUTHOR: Glushnev, H. P. (Engineer)

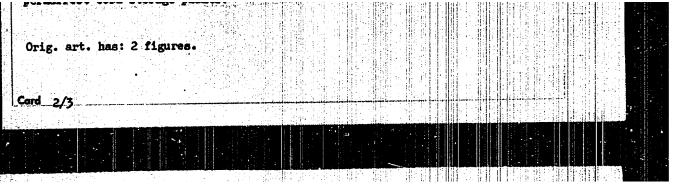
TITLE: Cold-storage plants in permafrost regions

SOURCE: Kholodil'naya tekhnika, no. 5, 1964, 22-24

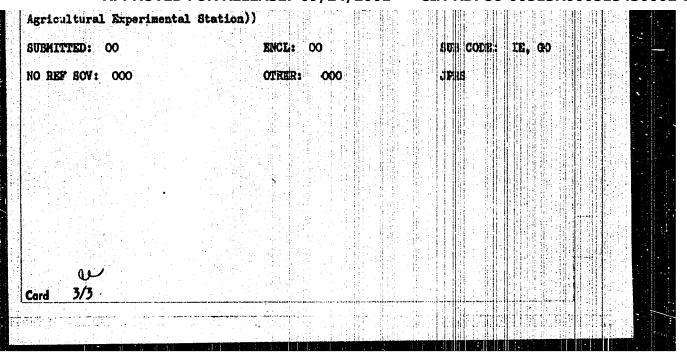
TOPIC TABS: refrigeration engineering, structural engineering

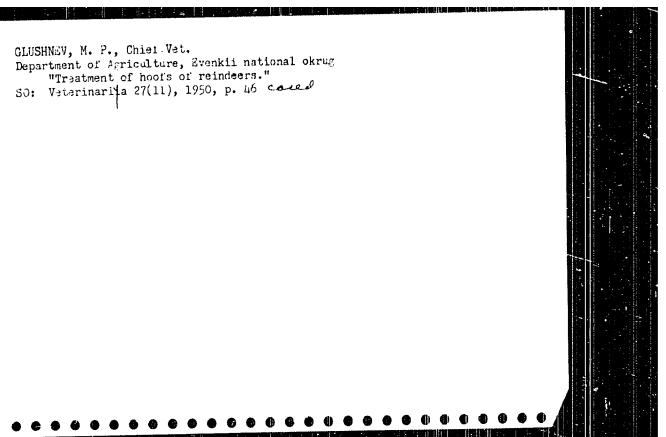
ABSTRACT: The article is a brief description of cold-storage plants in use in Soviet permafrost areas, the Chutkotak region being taken as typi-

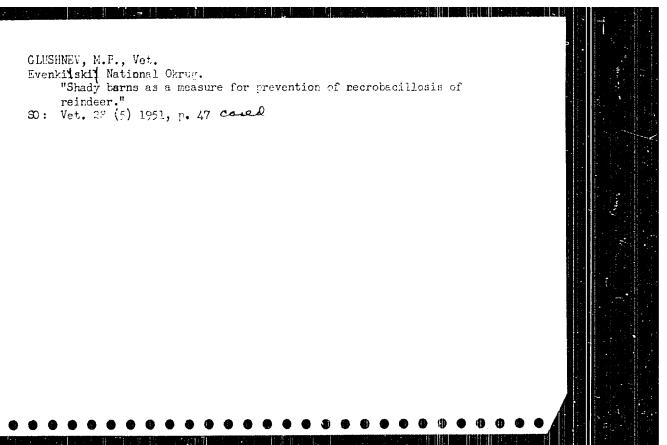




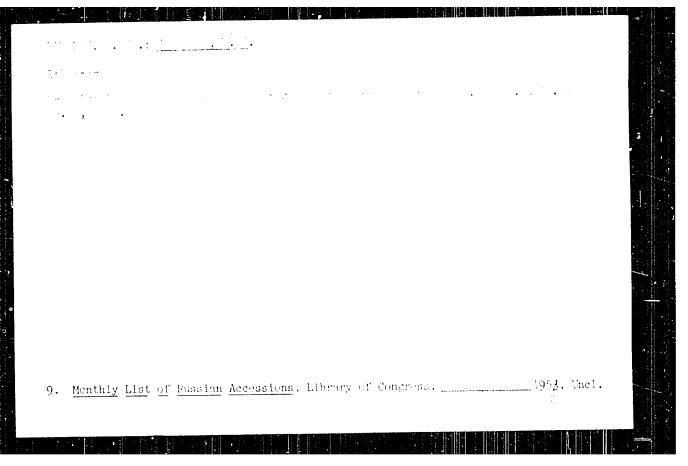
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GLUSANEV, M.P., veterinarnyy vrach.

Gas chamber for reindeer. Veterinariia 30 no.11:50 E '53.
(MLRA 6:11)

1. Turinekaya vetbaklaboratoriya, Krasnoyarskogo kraya.

GLUSHNEV, M. P.

"Improvements and New Methods in the Fight Against Itchy Scab in Northern Deer." Cand Vet Sci, Leningrad Veterinary Inst, Min Higher Education, Leningrad, 1954. (EL, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12) SO: Sum. No. 556, 24 Jun 55

USSR/Diseases of Farm Animals. Arachno-Entomoses.

Abs Jeur: Ref Zhur-Biol., No 15, 1958, 69510.

Author : Glushnev, M. P.

: Far Eastern Scientific Research Institute of Inst

Agriculture.

: Experience in Combatting the Mange of Reindoor on the Title

Chuk tka Peninsula.

wrig Pub: Byul. nauchno-tekhn. inform. Dal'nevost. n.-1. in-

ta s. kh., 1957, No 4, 38-41.

Abstract: For the treatment and prophylaxis of mange in reindeer,

hexachlorocyclohexene-creelin emulsion was used by way of spraying of animals or dipping them in portable or stationary tubs. When dipping was reserted to, cases of poisoning of fawns by hexachlorocyclohexane occurred as a result of the stratification of the

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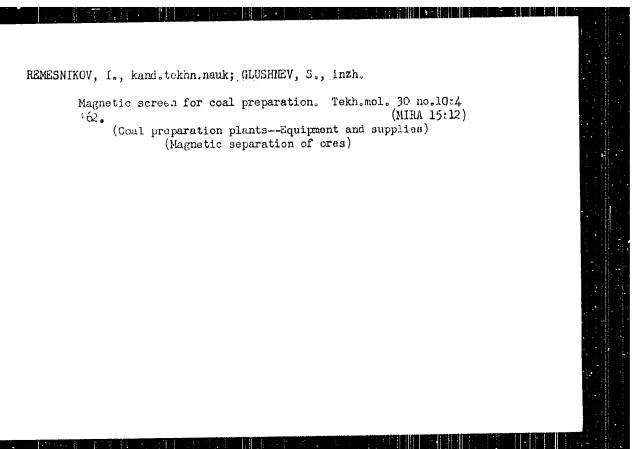
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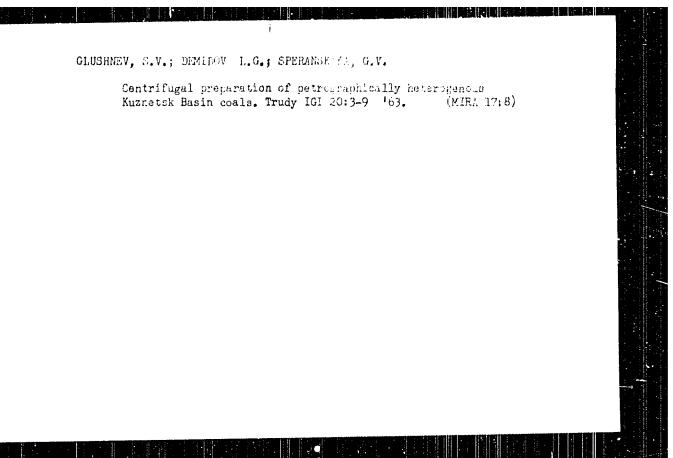
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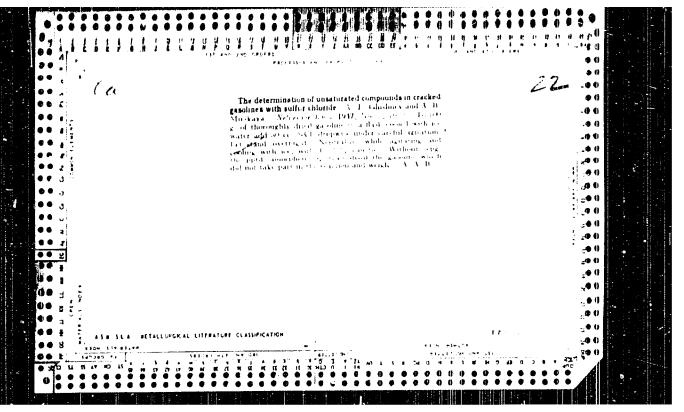
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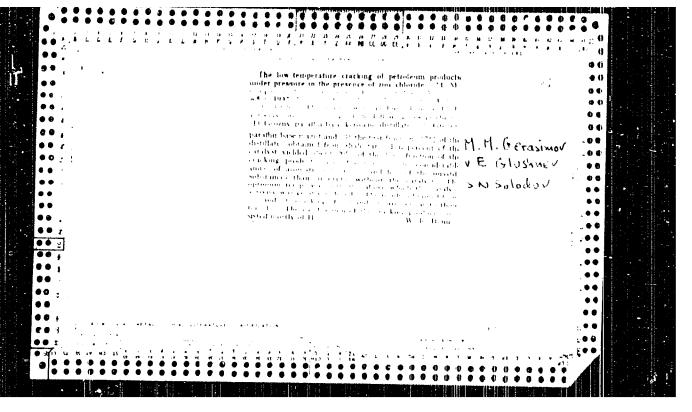
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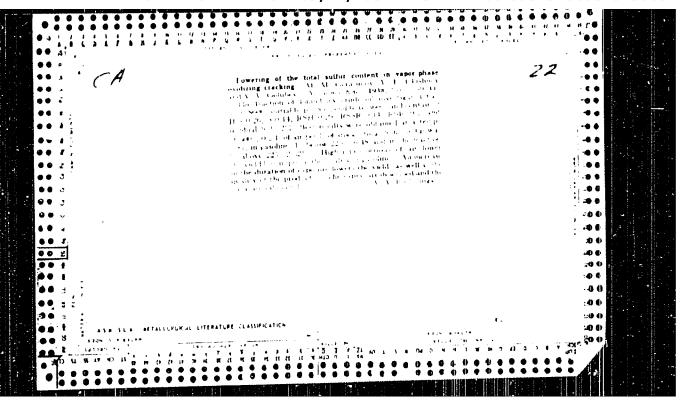
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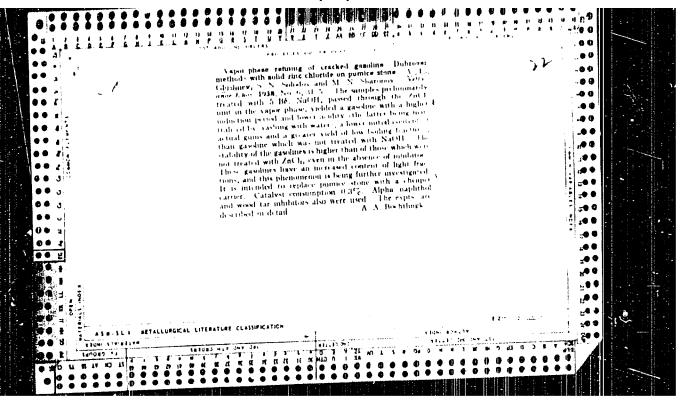


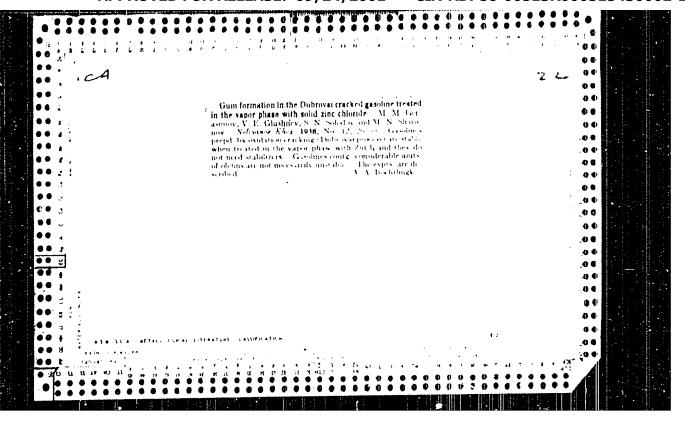


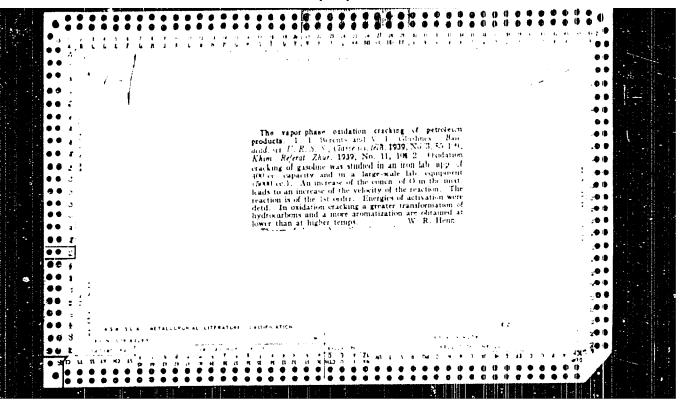


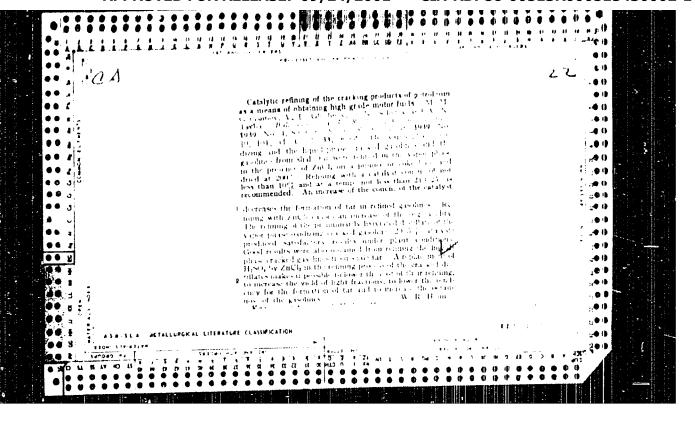


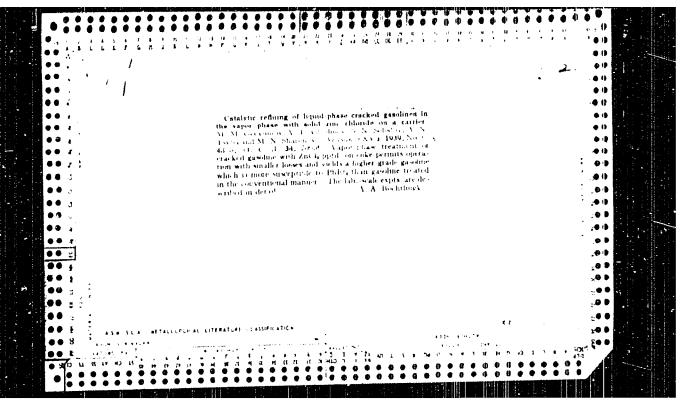


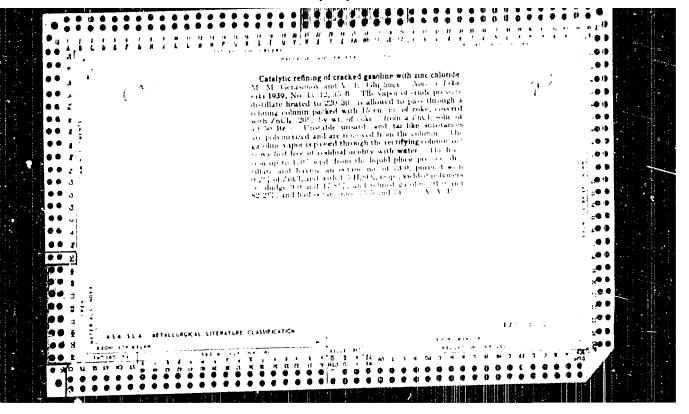


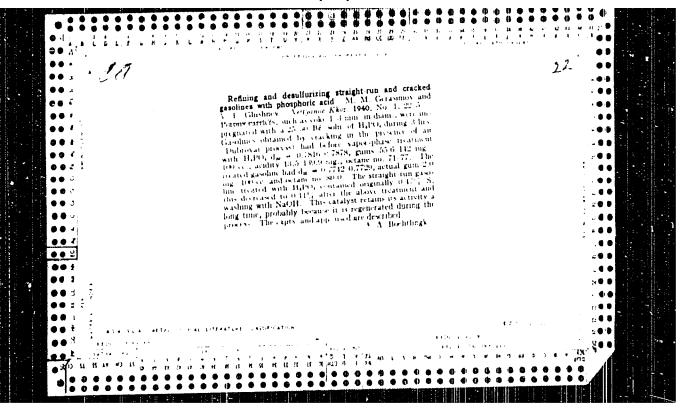


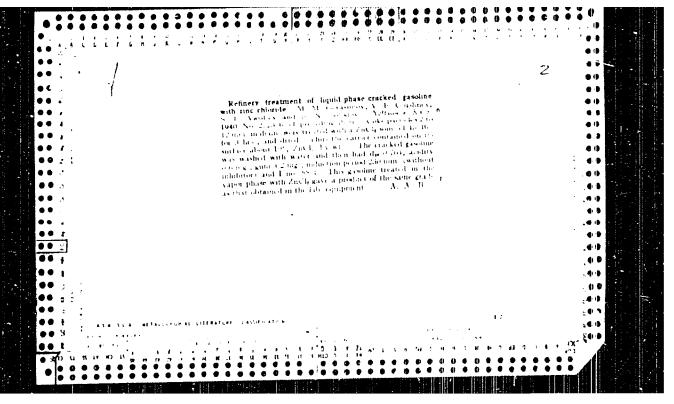


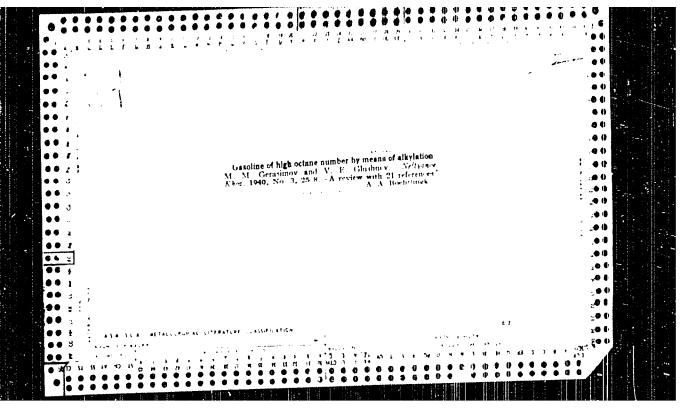


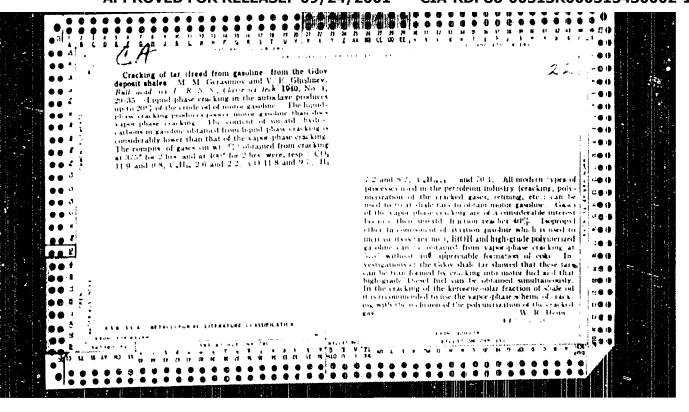


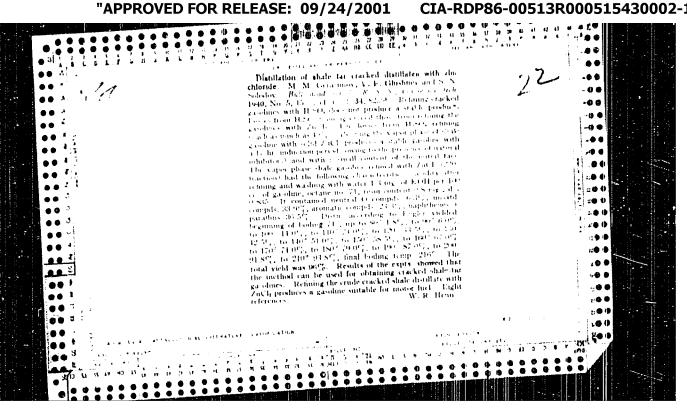


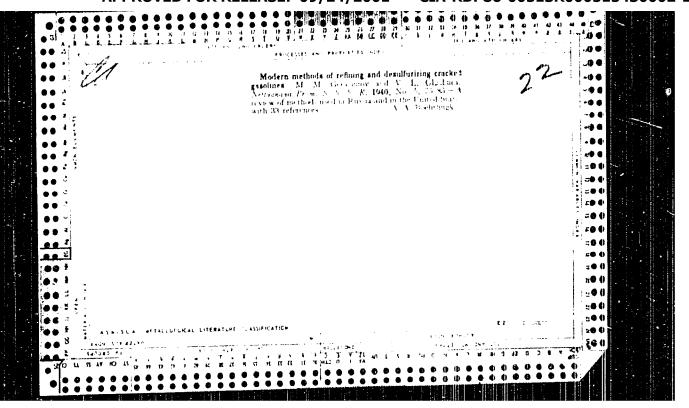








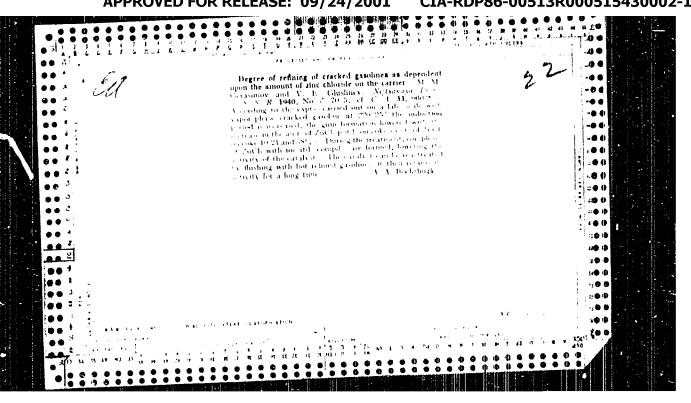


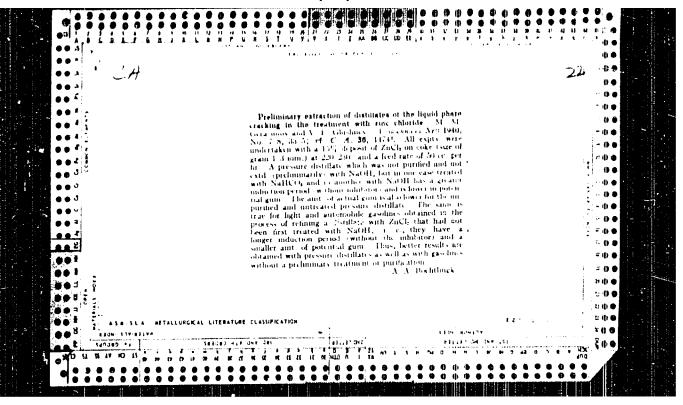


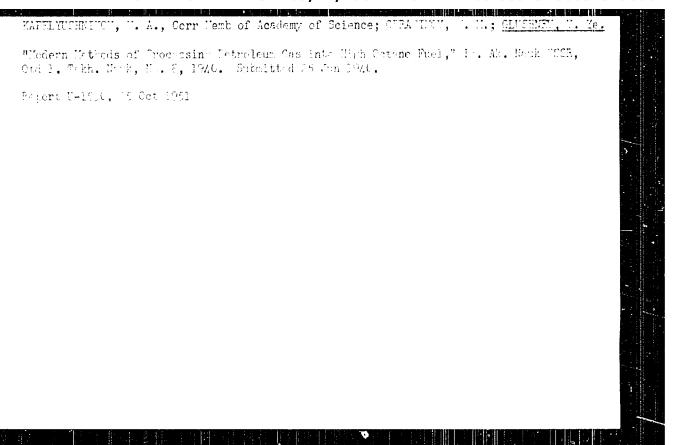
GLUSHMEV, V. Ye. and GERASIMOV, M. M.

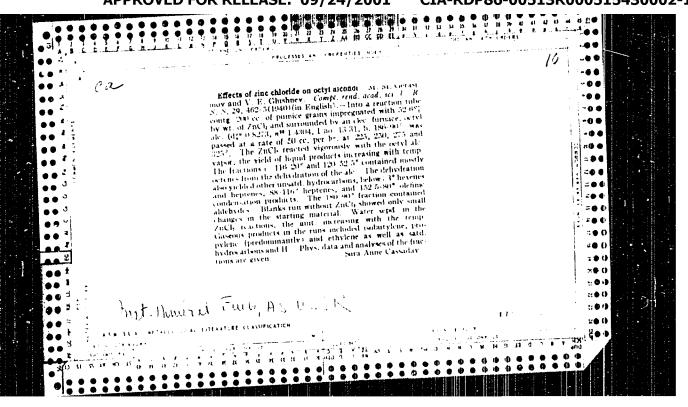
"Natural Petroleum Gases and Cracking Gases of the USSR and Their Processing Methods," Iz. Ak. Nauk SSSR, Otdel Tekh.Nauk, No.5, pp 135-36, 1940

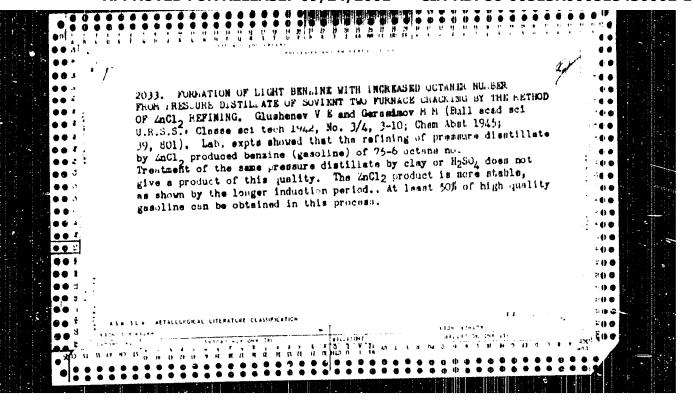
Translation W-24554, 25 Nov 52



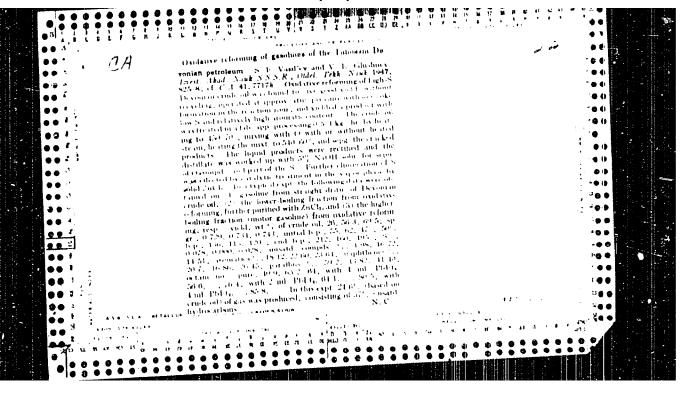


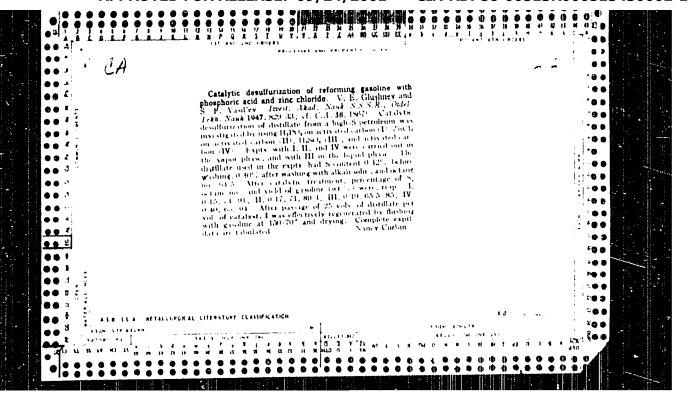


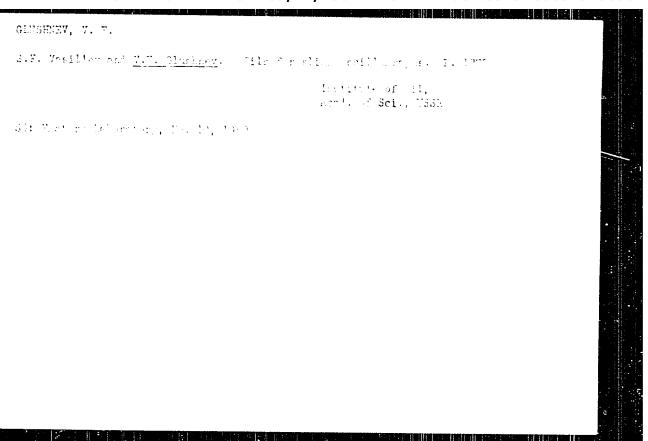




USER/Petroleum - Cracking Gasoline - Production "The Dehydrogenating Action of Sinc Unlorate in the Refining of Gasoline Produced by Vapor Phase Oridation Cracking," V. Ye. Glushner N. G. Bulgakova, 7 pp "Iz Ak Nauk, Otd Tekh Nauk" No lit Typ. 1613-20 The presence of a dehydrogenating action is established in the refining of gasoline by exidining cracking with zinc chloride. The dehydrogenating reaction under the influence of zinc chloride can be due to the presence of some saturated spirits as well as cyclic ketones in gasoline oxidation cracking.	Trive Control	•	-A -2713	
Refining of Gasoline Produced by Vapor Phase Oridal tion Gracking," V. Ye. Glushner N. G. Bulgakova, 7 pp. "Iz Ak Nauk, Otd Tekh Nauk" No 11 7 pp. 1613-20 The presence of a debydrogenating action is established in the refining of gasoline by exidizing cracking with zinc chloride. The debydrogenating reaction under the influence of nine obloride can be due to the presence of some saturated spirits as well as cyclic ketones in gasoline oxidation cracking.		USSR/Petroleum - Cracking Gasoline Production	Dec 1946	
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USSR /Chemical Technology. Chemical Products I-16 and Their Application

Treatment of natural gases and petroleum. Motor fuels. Lubricants.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31908

Author : Glushnev V. Ye., Nepryakhina A. V.

Inst : Petroleum Institute, Academy of Sciences USSR

Title : Chemical Composition of Gasolines of Primary

Oxidative Cracking

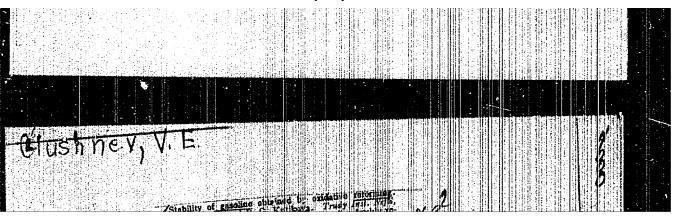
Orig Pub: Tr. In-ta nefti AN SSSR, 1954, 4, 31-37

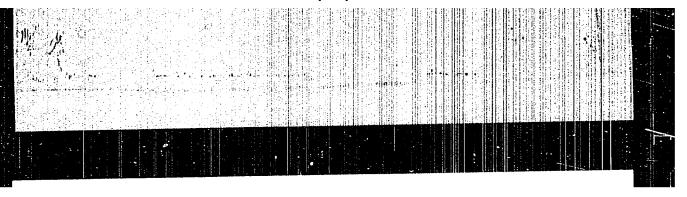
Abstract: Bibliography 7 references.

Card 1/1

GINSHNEY, V.Ye.; NEFRYAKHINA, A.V.; ANDREYEVA, T.P.

Characteristics of hydrocarbon composition of ganclines of oxidative cracking and reforming. Trudy Inst.nefti 4:38-46 (34. (Gasoline) (Hydrocarbons) (MLRA 3:1)





3 62.1 5/031/62/000/009/019/075 B158/B101

5.4606

AUTHORS: . Topohiyev, A. V., Polak, L. S., Chernyak, M. Ya.,

Glusanev, V. Ye., Glazanov, F. Ta., Vereshchinskiy, I. V., Syrkus, N. P., Breger, A. Kh., Vaynshteyn, B. I.

TITLE:

Radiation-heat cracking of hydrocarbons

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 9, 1262, 74 - 75,

abstract 98515 (Sb. "Radioakt. izotopy i kadern. izlucheniya" v nar. kn-ve SSSR. v. I". M., Gostoptekhizdát, 1961, 206-210)

TEXT: The low overall yield of radiolysis products from hydrocarbons at room temperature points to the absence of a chain reaction at that temperature. To examine the possibilities of a chain reaction in radiation

cracking, n-heptane was irradiated by Co 7-rays at high temperatures. The samples w re irradiated in 15 ml bulbs made of molybdenum glass with a wall thickness of of mm. The amount of liquid heptane was 0.25 ml and the pressure in the ampoules on vaporization 2.5 T/273 atm. To prevent local preheating of the walls, the bulb was rotated twice a second. The

Card 1/2

Radiation-heat cracking of hydrocarbons

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radiation dose output calculated on 1 ml of liquid n-neptane was 2·10¹³ Mev/sec. It is shown that radiation-heat cracking of n-heptane occurs at considerably lower temperatures than purely thermal cracking which needs a temperature of 0.500°C. The yield of liquid unsaturated hydrocarbons from radiation-heat cracking increases from 1.6 at room temperature to 340 at 450°C. The total radiation-chemical yield of low molecular hydro-

carbons is 2000 at 400°C, being therefore \$\times\$ as great compared with the radiation-enemical yield of the same products at 20°C. By combining the radiation effect with temperature it is possible to obtain products which offer industrial interest at levels of yield which would be acceptable in practice. Possible sources of radiation for radiation-heat cracking are considered. [Abstracter's note: Complete translation.]

Card 2/2

GLUSHNEY I./E.

PHASE I BOOK EXPLOITATION

SOV/6177

Akademiya nauk SSSR. Institut neftekhimicheskogo sinteza

Radioliz uglevodorodov; nekotoryye fiziko-khimicheskiye problemy (Radiolysis of Hydrocarbons; Some Physicochemical Problems) Moscow, Izd-vo AN SSSR, 1962. 207 p. Errata slip inserted. 5000 copies printed.

Resp. Eds.: A. V. Topchlyev, Academician, and L. S. Polak, Doctor of Physics and Mathematics; Ed.: L. T. Bugayenko; Tech Ed.: Ch. A. Zentsel'skaya.

PURPOSE: This book is intended for physical and industrial chemists interested in the properties and behavior of irradiated hydrocarbons.

GOVERAGE: The book gives a systematic presentation of the results of research on the radiolysis of hydrocarbons carried out from 1957 through 1961 at the Laboratory of Radiation Chemistry, Institut neftekhimicheskogo sinteza AN SSSR (Institute of Petro-

Card 1/4

Radiolysis of Hydrocarbons (Cont.)

SCV/6177

chemical Synthesis, Academy of Sciences USSR). Although the results were obtained for individual compounds, they may be generalized and applied to other members of the same homologous series. The following persons participated in making the experiments and in writing the text: V. G. Beryezkin, V. E. Glushnev, Yu. A. Kolbanovskiy, I. M. Kustanovich, V. D. Popov, A. Ya. Temkin, V. D. Timofeyev, M. Ya. Chernyak, V. A. Shakhray, E. B. Shlikhter, A. S. Shcherbakova, B. M. Negodov, A. Z. Peryshkina, N. M. Eytova, T. A. Tegina, Ta. B. Emin, A. M. Brodskiy, V. V. Voyevodskiy, P. Ya. Glazunov, B. A. Smirnova, and Yu. L. Khait. References, mainly Soviet and English, follow individual chapters.

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Radiolysis of Hydrocarbons (Cont.)

Ch. VII. Radiation-Thermal Cracking of Hydrocarbons

AVAILABLE: Library of Congress

SUBJECT: Oil and Gas Industries

BN/clb/tem
1-18-63

3/844/62/000/000,050/129 p287/p307

AUTHORG: Topohiyev, A. V., Vereshchinskiy, I. V.m Glazumov, P. Ya., Flushnev, V. Ye., Polak, L. S., Ryabchikova, G. G., Simoreyev, V. D. and Chernyak, N. Ta.

TITLE: The rank cracking of hydrocarbons induced by it reduction

Jourda: Trady II Vsesoguanogo sovesnehaniya po maintaiona y khimii. Ed. by L. S. Poink. hosebw, Ind-vo al Josk, 1964, 304-307

TEXT: The effect of irradiation on thermal cracking of hotome is thermal cracking temperatures and studied. The experiments were carried out in a countercurrent reactor, at constant through at of the gas, using irradiation assages of 7 x 10½ ev/sec/l and heptane. The rate of formation of gaseous products during radiation-induced and ordinary thermal cracking at 400 - 500°C was included by the reaction temperature. At temperatures above 500°C the relationship between the yield of froducts obtained by radiation and those obtained by ordinary thermal cracking was in a 4:1 ratio and radia-

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Thermal cracking of ...

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then included protesses about therefore to carried out at some tensors three (for + 0.2000) than ordinary them 1 over 1.7 pc. ably (21 acri, more as cominct 200 acri, mole for the particular to the minute of the state of t The yield of presents and liquid anon arrested compounds in metal of their liquid anon arrested compounds in metal of their liquid and the property of the pro At Compensiones 100000 the radiation yield became lower. The yield of unsaturated compounds increased sharply with a mearature and reached 60% (as egainst 50 - 55% during ordinary absenced artaking). Optimum conditions for the above process were has dosage icindiation and short contact times. There are a figures.

AUSOCIATION: Institut neftexhimicheskogo sinteza, AN 355% (Institate of Petrochemical Synthesis, Ad USSE); Emotitud finienesacy khimii, an SSSR (Institute of Physical Chemistry, As USSR)

Cord Lyk

3/204/62/002/002/005/007 1060/1242

AUTHORS:

Topchiyev, A.V., Polak, L.S., Glushnev, V.Ya., Popov, V.T., Timofeyev, V.D., Glazunov, P.Ya.,

and Ryabchikova, G.G.

TITLE:

Radiation-thermal cracking of petroleum hydrocarbons

PERIODICAL: Neftekhimiya, v.2, no.2, 1962, 196-210

TEXT: This is the first in a series of papers reporting on the basic problems of the radiation-thermal cracking (RTC) process. Investigation deals with the following subjects: 1. RTC of heptane under static conditions; 2. RTC in continuous process in a decreasing under static conditions; 2. RTC in continuous process in a uniform field; 4. Influefield; 3. RTC in a continuous process in a uniform field; 4. Influence of pressure on RTC; 5. RTC in a mixed field of n and y radiations; 6. Calculation of kinetics, mechanism, and thermodynamic parameters of RTC, and its comparison with other types of cracking and pyrolysis.

: Card 1/2

S/20:/62/002/002/005/007 I060/I242

Radiation-thermal cracking...

This paper compares the first two methods with thermal cracking under the same conditions. The activation energy of the RTC process is very close to the activation energy of thermal cracking. With the rise in the temperature of the RTC process the yield of liquid and gaseous products increases sharply. The output of unsaturated compounds, both gaseous and liquid per unit of crude is considerably higher with the RTC method than with thermal cracking under the same conditions. The rate of the RTC process increases sharply through the action of ionizing radiation. There are 15 figures and 11 tables.

ASSOCIATION: Institut neftekhisicheskogo sinteza AN SSSR (Institute

of Petrochemical Synthesis, AS USSR) and Institut fizicheskoy khimii AN SSSR (Institute of Physical

Chemistry, AS USSR)

SUBMITTED:

March 1, 1962

Card 2/2

L:58478-65 ENG(j)/EWT(m)/EPF(c)/EWP(j)/T/ENA(h)/EWA(c)/EWA(W) P:-4/Pr-4/Peli RM ACCESSION NR: AP5015241 UR/0286/65/030/009/0023/0023 541.15:547.313.2

AUTHOR: Glushney, V. Ye.; Kolbanovskiy, Yu. A.; Patalakh, I. I.; Polak, L. S.; Popov, V. T.; Snakhray, V. A.

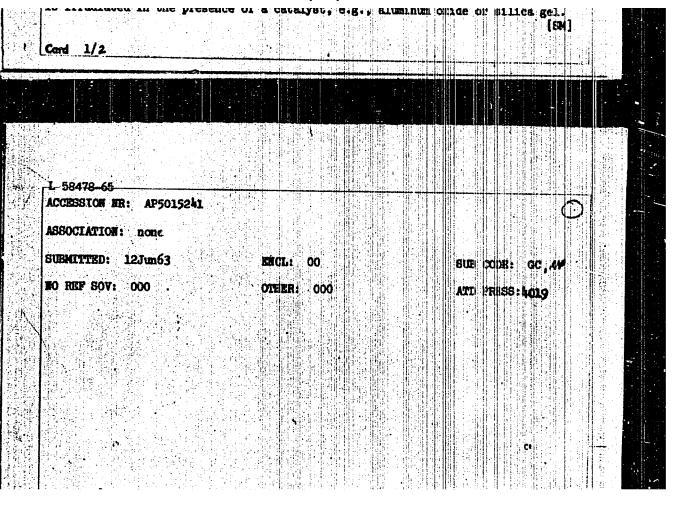
TITLE: Radiation-induced synthesis of organic compounds with various functional groups. Class 12, No. 170503

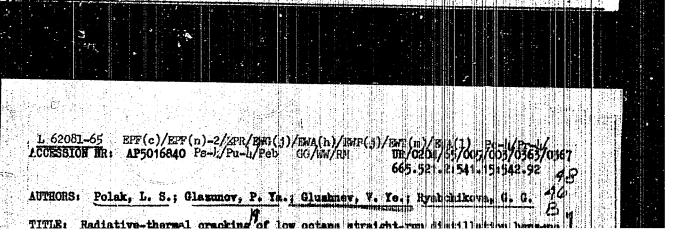
SOURCE: Byulleten' izobreteniy i tovarnykh znakov no. 9, 1965, 23

TOPIC TAGS: radiation, radiation induced synthesis

ABSTRACT: An Author Certificate has been issued for a radiat on-induced synthesis of organic compounds having various functional groups, such as carboxylic acids, amines, nitro and nitroso occupounds, this compounds, alcohols, at a labour at a la

"APPROVED FOR RELEASE: 09/24/2001 CIA-RDP86-00513R000515430002-1





in a uniform temperature field

SOURCE: Neftekhimiya, v. 5, no. 3, 1965, 363-367

TOPIC TAGS: benzene, distillation, reactor, radiation effect, thermal decomposition

ABSTRACT: The present work is a continuation of an earlier inventigation. The present experiments were conducted with an improved electron stude resident in which a uniform temperature field could be established. Low-cotane at sight-num distillation benzene (with the end of boiling at 140C) was cracked at 500, 550, and 600C at the pump-through-velocity of 150 ml/hour in the reactor shown as sensitively. Yield and composition of the thermal and radiation-thermal graduates of the same benzene in the reactors with and without a uniform temperature field made tabulated